

NAME/KEY:	DESCRIPTION
FEATURE:	

NAME/KEY: Startcodon

Qy	1	GAATTCAGCGCTCACAAATCAACGATCATCTACATGATGATAAATTTTAAATGGTAGATTA	60
Db	1	GAATTCAGCGCTCACAAATCCAGTCATCTACATGATGATAAATTTTAAATGGTAGATTA	60
Qy	61	CTGTATCATTTCCAGAGATGAAAAAAAATGCGAAGAAAGCAAAATTTTAAATGAA	120
Db	61	CTGTATCATTTCCAGAGATGAAAAAAAATGCGAAGAAAGCAAAATTTTAAATGAA	120
Qy	121	GATGCATATACAAATTTAATTACCAATTATGTAAGATTACATTTGTTAGTTTCATGA	180
Db	121	GATGCATATACAAATTTAATTACCAATTATGTAAGATTACATTTGTTAGTTTCATGA	180
Qy	181	AATCAATTTCTAGATCATTAATTAATGCTAAATTAATCTATCTAATTTTCCCTAAG	240
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Qy	241	AAAAAAAACAGCCCTTAAGGACCAATAGAAATCGCGCTGCATTTTAAATATA	300
Db	241	AAAAAAAACAGCCCTTAAGGACCAATAGAAATCGCGCTGCATTTTAAATATA	300
Qy	301	GAGATATAGTTGTGTCTACTAGGCCATCCACCTCGCAATGCGTGTCTTAAATACATG	360
Db	301	GAGATATAGTTGTGTCTACTAGGCCATCCACCTCGCAATGCGTGTCTTAAATACATG	360

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Db      301  GAGATATGATTGTTCTCACTAGCCACCTCCAGTGGTCTTTATTAACATG 360
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Db      361  AAAAAATGAGCCGCTGCTTTTCACTTAAGGGCTAGAGATGTACAGAGTCAACGCTTCT 420
Qy      421  ATTCACTGACAGATATTTTATTAATGACAGAGGCTTTGTATTTCTCAGACGT 480
Db      421  ATTCACTGACAGATATTTTATTAATGACAGAGGCTTTGTATTTCTCAGACGT 480
Qy      481  CTGCGCGCCGCTGCTTCTGTAAGGAGTGAAGGAGCAGACAGCTCAGTGGCCACG 540
Db      481  CTGCGCGCCGCTGCTTCTGTAAGGAGTGAAGGAGCAGACAGCTCAGTGGCCACG 540
Qy      541  TGCCTGGCTGCTGCCACCGTGAATGGCAAGGCTTGTGCTTGGCTGGCTGGCTGG 600
Db      541  TGCCTGGCTGCTGCCACCGTGAATGGCAAGGCTTGTGCTTGGCTGGCTGGCTGG 600
Qy      601  AGCGACGAGGTTGAAGCTACCGGCGGTGGCTGGCTGGCGGCTGGCTAGACAGCGG 660
Db      601  AGCGACGAGGTTGAAGCTACCGGCGGTGGCTGGCTGGCGGCTGGCTAGACAGCGG 660
Qy      661  GACGTCGACGCTGATGCTAGCGCTTCTACTTTTGTGTTTGTCTGCTGCTGCGATG 720
Db      661  GACGTCGACGCTGATGCTAGCGCTTCTACTTTTGTGTTTGTCTGCTGCTGCGATG 720
Qy      721  ATGCAATTAATTAACGCTGTATCTCATGTATGTATGACAGTGTGTGCGGATTTCA 780
Db      721  ATGCAATTAATTAACGCTGTATCTCATGTATGTATGACAGTGTGTGCGGATTTCA 780
Qy      781  ATGCAATTAATTAACGCTGTATCTCATGTATGTATGACAGTGTGTGCGGATTTCA 840
Db      781  ATGCAATTAATTAACGCTGTATCTCATGTATGTATGACAGTGTGTGCGGATTTCA 840
Qy      841  ATTGTGCTTTTCACTGATGCTGCTGAATAGAGAGAAATATTAATTAATTAATAT 900
Db      841  ATTGTGCTTTTCACTGATGCTGCTGAATAGAGAGAAATATTAATTAATTAATAT 900
Qy      901  GAGTTCAACATCTTTCTTAATACCTTTTGTCTGATCTCTTATAGTACGACGCTGTA 960
Db      901  GAGTTCAACATCTTTCTTAATACCTTTTGTCTGATCTCTTATAGTACGACGCTGTA 960
Qy      961  TAACTGTATTAAGAACCCCTTGTACGAGTGTACGAGGCTGCTTAACGAAATTAAG 1020
Db      961  TAACTGTATTAAGAACCCCTTGTACGAGTGTACGAGGCTGCTTAACGAAATTAAG 1020
Qy      1021  TAGAACAACAAGAGACAAGATGTAGAGAGAACTGATTTCTTTGTTACTATATGCTG 1080
Db      1021  TAGAACAACAAGAGACAAGATGTAGAGAGAACTGATTTCTTTGTTACTATATGCTG 1080
Qy      1081  CTCTTCAAAAGGTTACATATATGAGGATCTCTCTCTATTAATTAAGCAAAAATAG 1140
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Qy      1141  CAGGATATGAGGAGCAATAGGCTTCTGAGGAGAAAGGTTTCTTAACCTACCACT 1200
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Qy      1201  TCCAGGCGCGGTGCTGCTGCTTCACTCTTCCCTCCGCTCCAGAGCGGATTAATAG 1260
Db      1201  TCCAGGCGCGGTGCTGCTGCTTCACTCTTCCCTCCGCTCCAGAGCGGATTAATAG 1260
Qy      1261  GGGTCTACGCTGACAGCGGAGATGTGCGCGGAGGAGCACTTCTGCGGAGAAATGCG 1320
Db      1261  GGGTCTACGCTGACAGCGGAGATGTGCGCGGAGGAGCACTTCTGCGGAGAAATGCG 1320
Qy      1321  CGCAGGCGATGCTGACAGCGGATGTGCTGCGCGGAGGCTTCTGCGGAGAAATGCG 1380
Db      1321  CGCAGGCGATGCTGACAGCGGATGTGCTGCGCGGAGGCTTCTGCGGAGAAATGCG 1380
Qy      1381  GTCCGCGCGGAGCGGAGGAGGAGCTTGAATTTGCTGCGGCTGCGGAGCAAGTCCCT 1440
Db      1381  GTCCGCGCGGAGCGGAGGAGGAGCTTGAATTTGCTGCGGCTGCGGAGCAAGTCCCT 1440

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Db      1381  GTCCGCGCGGAGCGGAGGAGGAGCTTGAATTTGCTGCGGCTGCGGAGCAAGTCCCT 1440
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Db      1441  GGTCCGCGGCTTCCGAGCTTTGCTGCGGCTGCGGAGGAGGAGGAGGAGGAGGAG 1500
Qy      1501  CGGCTATTAATAAGGCGGCGGAGCTGATCTCTCACTTCAACAAGCAAGAGAGCAAC 1560
Db      1501  CGGCTATTAATAAGGCGGCGGAGCTGATCTCTCACTTCAACAAGCAAGAGAGCAAC 1560
Qy      1561  AGCCAAACCTTAACCTAAGAGAGAGTGTAGTCCCTGTGTGTGTGTGTGTGTGTGT 1620
Db      1561  AGCCAAACCTTAACCTAAGAGAGAGTGTAGTCCCTGTGTGTGTGTGTGTGTGTGT 1620
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Db      1621  CCGAGCTGCGGAGGTTTGTCTGTTAGTTTGGAGCGGCG 1658

RESULT 2
US-10-425-115-68623/c
; Sequence 68623, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yinhua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 68623
; LENGTH: 868
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_162578C.1
US-10-425-115-68623

Query Match      6.6%; Score 109; DB 8; Length 868;
Best Local Similarity 74.6%; Pred. No. 1.8e-15;
Matches 150; Conservative 0; Mismatches 50; Indels 1; Gaps 1;

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Qy      61  CTGTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 120
Db      496  ATGTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 438
Qy      121  GATGCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 180
Db      437  GGCCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 378
Qy      181  AATCAATTTCTAGAGTCATTA 201
Db      377  ATTTCAGAAATTAATTTCTTA 357

RESULT 3
US-10-425-115-47987/c
; Sequence 47987, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yinhua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

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OM nucleic - nucleic search, using sw model

Run on: February 25, 2006, 10:15:08, Search time 545 Seconds

(without alignments)
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Title: US-10-732-721-1

Perfect score: 1658

Sequence: 1 gaattcagcgctcacaatac.....ctcgtagcttgcggagcgcg 1658

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 7209121 seqs, 1066183437 residues 14418242

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications NA_New*

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13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB_seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	48.8	2.9	8961	US-10-240-708-80	Sequence 80, Appl
C 2	47.2	2.8	1882	US-10-750-185-40265	Sequence 40265, A
C 3	47.2	2.8	1882	US-10-750-623-40265	Sequence 40265, A
C 4	46.8	2.8	573	US-09-925-065A-42901	Sequence 42901, A
C 5	46.8	2.8	639	US-09-925-065A-694415	Sequence 694415, A
C 6	46.4	2.8	2250	US-10-793-626-137	Sequence 137, App
C 7	46.4	2.8	4198	US-10-793-626-3604	Sequence 3604, App
C 8	46.4	2.8	9347	US-10-240-708-35	Sequence 35, Appl
C 9	46.4	2.8	173602	US-11-121-086-25	Sequence 25, Appl
C 10	46.2	2.8	532	US-09-925-065A-21879	Sequence 21879, A
C 11	45.6	2.8	573	US-09-925-065A-42900	Sequence 42900, A
C 12	45.6	2.8	600	US-10-750-185-20202	Sequence 20202, A
C 13	44.8	2.7	819	US-09-925-065A-692077	Sequence 692077, A
C 14	44.8	2.7	18862	US-11-112-908-23	Sequence 23, Appl
C 15	44.8	2.7	430	US-09-925-065A-628312	Sequence 628312, A
C 16	44.6	2.7	610	US-09-925-065A-542840	Sequence 542840, A
C 17	44.6	2.7	662	US-09-925-065A-806113	Sequence 806113, A
C 18	44.6	2.7	49979	US-10-985-561-13443	Sequence 13443, A
C 19	44.6	2.7	558	US-09-925-065A-599598	Sequence 599598, A
C 20	44.4	2.7	558	US-09-925-065A-599598	Sequence 599598, A

21	44.2	2.7	1470	US-09-925-065A-56768	Sequence 56768, A
C 22	44	2.7	6656	US-10-240-708-75	Sequence 75, Appl
C 23	44	2.7	194553	US-11-098-686-8738	Sequence 8738, Ap
C 24	43.8	2.6	536	US-09-925-065A-182448	Sequence 182448, A
C 25	43.8	2.6	5152	US-10-240-708-74	Sequence 74, Appl
C 26	43.6	2.6	819	US-09-925-065A-692078	Sequence 692078, A
C 27	43.6	2.6	3604	US-10-750-185-53243	Sequence 53243, A
C 28	43.6	2.6	3604	US-10-750-185-53243	Sequence 53243, A
C 29	43.6	2.6	1082144	US-11-117-187-211	Sequence 211, App
C 30	43.4	2.6	1483	US-10-750-185-39052	Sequence 39052, A
C 31	43.4	2.6	1483	US-10-750-185-39052	Sequence 39052, A
C 32	43.4	2.6	6182	US-10-240-708-87	Sequence 87, Appl
C 33	43.2	2.6	558	US-09-925-065A-599599	Sequence 599599, A
C 34	43.2	2.6	559	US-09-925-065A-312923	Sequence 312923, A
C 35	43.2	2.6	631	US-09-925-065A-584819	Sequence 584819, A
C 36	43	2.6	545	US-09-925-065A-614821	Sequence 614821, A
C 37	42.8	2.6	562	US-09-925-065A-659587	Sequence 659587, A
C 38	42.8	2.6	631	US-09-925-065A-584820	Sequence 584820, A
C 39	42.8	2.6	191684	US-11-121-086-2	Sequence 2, Appl
C 40	42.6	2.6	637	US-09-925-065A-643726	Sequence 643726, A
C 41	42.6	2.6	819	US-09-925-065A-692077	Sequence 692077, A
C 42	42.6	2.6	1493	US-10-750-185-25366	Sequence 25366, A
C 43	42.6	2.6	1493	US-10-750-185-25366	Sequence 25366, A
C 44	42.6	2.6	28536	US-11-011-332A-152	Sequence 152, App
C 45	42.4	2.6	11049	US-10-240-708-22	Sequence 22, Appl

ALIGNMENTS

RESULT 1
US-10-240-708-80/c
Sequence 80, Application US/10240708
Publication No. US20050282157A1
GENERAL INFORMATION:
APPLICANT: OREK Alexander
APPLICANT: BREILIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
FILE REFERENCE: 5013.1012
CURRENT APPLICATION NUMBER: US/10/240, 708
CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: PCT/EP01/03971
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 98
SEQ ID NO 80
LENGTH: 8961
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
NAME/KEY: unsure
LOCATION: (5096)
US-10-240-708-80

Query Match 2.9%, Score 48.8, DB 8, Length 8961,
Best Local Similarity 51.4%, Pred. No. 3.6, Indels 0, Gaps 0,
Matches 113, Conservative 0, Mismatches 107,

QY 33 TGTGATTAATTTTATAGTATGATCTTCTTGAATCATCTTCAGAGATGAAAAAAT 92
DB 5927 TATATATATTTATTAATTAACGAACTCTTACATATATTAATATATCAAAATATAA 5868

QY 93 CGCAGAGAGCAATATTTTAAATGATGCAATATACAAATTTAATACAAATTT 152
 DB 5867 TAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 5808
 QY 153 GTAAGATTAATGATGTTTGTTCATAGAAATCAATTTCTAGAGCATATATGCTTAA 212
 DB 5807 CCATATTAATTAATGAGCAATTAATTAATTAATTAATTAATTAATTAATTA 5748
 QY 213 TTAATATTTCTATTTCTATTTCTTCTTAAGAAAAAAGCAGC 252
 DB 5747 AAATCTTACTATAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 5708

RESULT 2
 US-10-750-185-40265/c
 ; Sequence 40265, Application US/10750185
 ; Publication No. US20050260603A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFIELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-2
 ; CURRENT APPLICATION NUMBER: US/10/750,185
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 40265
 ; LENGTH: 1882
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880841243
 ; US-10-750-185-40265

Query Match 2.8%; Score 47.2; DB 8; Length 1882;
 Best Local Similarity 49.6%; Pred. No. 5;
 Matches 121; Conservative 0; Mismatches 123; Indels 0; Gaps 0;

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 DB 1578 CATACCAATTAATTAATTAATTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1519
 QY 200 AATAATGCTTAATTAATTAATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 259
 DB 1518 ACTATTCAGAGTTTAAAGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1459
 QY 260 GGGACCAATTAATGCGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 319
 DB 1458 TATATTAATCAATTAAGAAAGATTAATCACTGATTAATCACTGATTAATCACT 1399
 QY 320 ACTA 323
 DB 1398 ATTA 1395

RESULT 3
 US-10-750-623-40265/c
 ; Sequence 40265, Application US/10750623
 ; Publication No. US20050287531A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFIELD, David

APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: FANTIN, Dennis
 ; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-1
 ; CURRENT APPLICATION NUMBER: US/10/750,623
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 40265
 ; LENGTH: 1882
 ; TYPE: DNA
 ; ORGANISM: Bovine 19866880841243
 ; US-10-750-623-40265

Query Match 2.8%; Score 47.2; DB 8; Length 1882;
 Best Local Similarity 49.6%; Pred. No. 5;
 Matches 121; Conservative 0; Mismatches 123; Indels 0; Gaps 0;

QY 80 ATGAAAAAATTCGCAAGAAAGCAATTTTAAATGATGCAATATACAAATTTA 139
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 QY 140 ATTACAAATTAATGATGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 199
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 DB 1518 ACTATTCAGAGTTTAAAGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1459
 QY 260 GGGACCAATTAATGCGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 319
 DB 1458 TATATTAATCAATTAAGAAAGATTAATCACTGATTAATCACTGATTAATCACT 1399
 QY 320 ACTA 323
 DB 1398 ATTA 1395

RESULT 4
 US-09-925-065A-42901
 ; Sequence 42901, Application US/09925065A
 ; Publication No. US20040181048A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single
 ; FILE REFERENCE: 108827.135
 ; CURRENT APPLICATION NUMBER: US/09/925,065A
 ; CURRENT FILING DATE: 2001-08-08
 ; PRIOR APPLICATION NUMBER: US 60/243,096
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: US 60/252,147
 ; PRIOR FILING DATE: 2000-11-20
 ; PRIOR APPLICATION NUMBER: US 60/250,092
 ; PRIOR FILING DATE: 2000-11-30
 ; PRIOR APPLICATION NUMBER: US 60/261,766
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/289,846
 ; PRIOR FILING DATE: 2001-05-09
 ; NUMBER OF SEQ ID NOS: 957086
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 42901
 ; LENGTH: 573
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-925-065A-42901

Query Match 2.8%; Score 46.8; DB 6; Length 573;
 Best Local Similarity 53.1%; Pred. No. 4.4;